

10/561611

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Docket No.: 12810-00181-US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Wolfram Stürer et al.

Application No.: TBA  
(Based on PCT/EP2004/006646)

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: METHOD FOR ISOLATING A  
HOMOGENEOUS CATALYST  
CONTAINING RHODIUM

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of only those references listed below is attached:

For. Doc No.	Ctry	Patentee/Applicant	Publication Date
0,475,386	EP	Brookhart et al.	March 18, 1992
96/34687	IB	Fingeret et al.	November 7, 1996
2,524,341	FR	Centre National De La	October 7, 1983

Other Documents
Oehme et al., "An Efficient Palladium(II) Based Catalytic System For The Dimerization of Methyl Acrylate Promoted By Silver Tetrafluoroborate and <i>p</i> -Benzoquinone, Journal of Organometallic Chemistry, No. 320, 1987, pgs. C56-C58.
McKinney, "Ruthenium-Catalyzed Acrylate Dimerization", Organometallics, No. 5, 1986, pgs. 1752-1753.
Sustmann et al., "Dimerization of Methyl Acrylate by Homogeneous Transistion-Metal Catalysis. Part I. Activation of Hydrido (carbonyl)chloro-[bis(triisopropylphosphane)]ruthenium by CF <sub>3</sub> SO <sub>3</sub> Ag", Journal of Molecular Catalysis, No. 85, 1993, pgs. 149-152.
Wilke, "Contributions to Organo-Nickel Chemistry", Angew. Chem. Int. Ed. Engl., Vol. 27, No. 1, 1988, pgs. 185-206.
Brookhart et al., "Catalytic Tail-to-Tail Dimerization of Methyl Acrylate Using Rh(III) Catalysts", J. Am. Chem. Soc., No. 113, 1991, pgs. 2777-2779.
Hauptman et al., "Design and Study of Rh(III) Catalysts for the Selective Tail-to-Tail Dimerization of Methyl Acrylate", J. Am. Chem. Soc., No. 116, 1994, pgs. 8038-8060.
International Search Report No. PCT/EP2004/006646, dated Nov. 19, 2004, 3 pages.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Application No.: TBA (Based on PCT/EP2004/006646)

Docket No.: 12810-00181-US1

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 12810-00181-US1. A duplicate copy of this paper is enclosed.

Dated:

12-20-05

Respectfully submitted,

By 

Joseph Barrera, Reg. No. 44,522

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Correspondence Customer Number: 23416

Attorney for Applicant

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	TBA (Based on PCT/EP2004/006646)
				Filing Date	Concurrently Herewith
				First Named Inventor	Wolfram Stürer et al.
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	12810-00181-US1
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-4,638,084	01-20-1987	Singleton	
	AB*	US-4,451,665	05/1984	Nugent	
	AC*	US-4,889,949	12/1989	Grenouillet et al.	
	AD*	US-4,594,447	06/1986	Wilke et al.	
	AE*	US-3,013,066	12/1961	Alderson	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	EP-0,475,386	03-18-1992	Brookhart et al.		
	BB	WO-96/34687	11-07-1996	Fingeret et al.		
	BC	FR-2,524,341	10-07-1983	Centre National De La Recherche Scientifique (CNRS)		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with a single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	CA	Oehme et al., "An Efficient Palladium(II) Based Catalytic System For The Dimerization of Methyl Acrylate Promoted By Silver Tetrafluoroborate and <i>p</i> -Benzoquinone, Journal of Organometallic Chemistry, No. 320, 1987, pgs. C56-C58.		
	CB	McKinney, "Ruthenium-Catalyzed Acrylate Dimerization", Organometallics, No. 5, 1986, pgs. 1752-1753.		
	CC	Sustmann et al., "Dimerization of Methyl Acrylate by Homogeneous Transition-Metal Catalysis. Part I. Activation of Hydrido (carbonyl)chloro-[bis(trisopropylphosphane)]ruthenium by CF <sub>3</sub> SO <sub>3</sub> Ag", Journal of Molecular Catalysis, No. 85, 1993, pgs. 149-152.		
	CD	Wilke, "Contributions to Organo-Nickel Chemistry", Angew. Chem. Int. Ed. Engl., Vol. 27, No. 1, 1988, pgs. 185-206.		
	CE	Brookhart et al., "Catalytic Tail-to-Tail Dimerization of Methyl Acrylate Using Rh(III) Catalysts", J. Am. Chem. Soc., No. 113, 1991, pgs. 2777-2779.		
	CF	Hauptman et al., "Design and Study of Rh(III) Catalysts for the Selective Tail-to-Tail Dimerization of Methyl Acrylate", J. Am. Chem. Soc., No. 116, 1994, pgs. 8038-8060.		
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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